

FIG. 1

250

GATEWAY LOGIC

RECONFIGURABLE
ATM ADAPTION LAYER
• VOICE
• FAX
• MULTIMEDIA WITH QoS
• TCP/IP INTERNET
SERVICES

XDSL
CPE
STREAM

252

MICROPROCESSOR 208

GATEWAY
FIREWALL

210

RADIO SECTION

TUNER MODULES
• DBS
• UHF
• VHF
• CABLE

202

RADIO TRANSMITTER

231

BPF

232

236

RADIO RECEIVER

240

BPF

242

246

LQ

244

238

DEMODULATORS
• QPSK
• QAM
• VSB
• NTSC
• OTHER

204

DECODERS

206

PUNCTURE ENCODER

122

PUNCTURE PROCESSOR

214

TRELLIS ENCODER

212

REED SOLOMON ENCODER

112

MODULATOR

218

ADAPTIVE CONTROLLER

254

CPU

110

256

DECODER

222

DEMODULATOR

220

200

201

FIG. 2

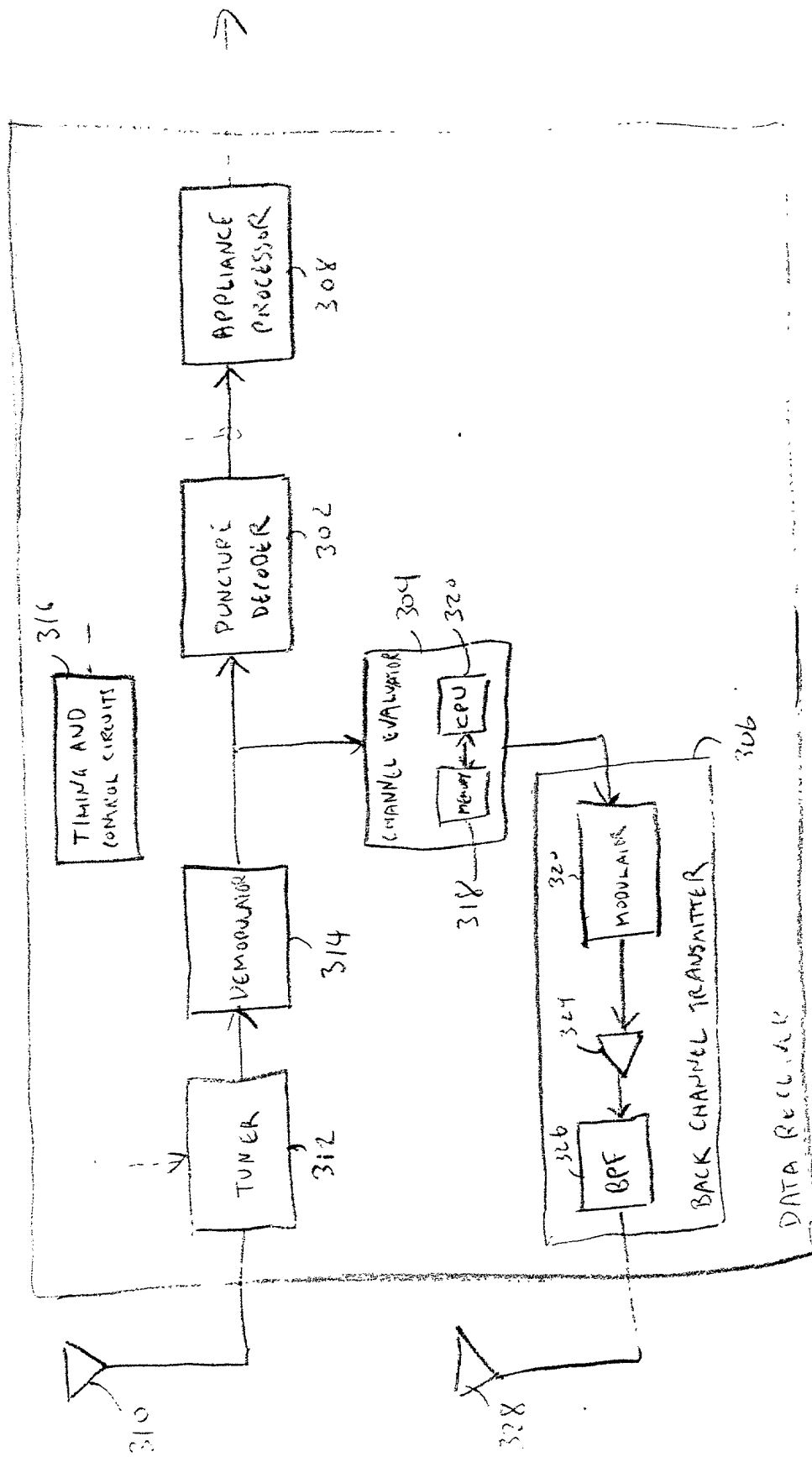


FIG. 3